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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/992,198      | 11/18/2001  | William Ho Chang     | 1282-010/MMM        | 5725             |

21034 7590 04/04/2005

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| EXAMINER |
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KIM, HAROLD J

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| ART UNIT | PAPER NUMBER |
|----------|--------------|

2182

DATE MAILED: 04/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                                      |                                     |  |
|------------------------------|--------------------------------------|-------------------------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>09/992,198 | <b>Applicant(s)</b><br>CHANG ET AL. |  |
|                              | <b>Examiner</b><br>Harold Kim        | <b>Art Unit</b><br>2182             |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 10 January 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-10,12,13 and 15-49 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10,12,13 and 15-49 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11/18/2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. This Office Action is in response to the filing of the Amendment filed on 1/10/2005, has been considered but they are not persuasive. Accordingly, this action is made **FINAL**.
2. Claims 1-10, 12, 13, and 15-49 are presented for examination.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-4, 6, 8, 17-19, 21, 23, 24, 33-38, 48 and 49 are rejected under **35**

**U.S.C. 102(e) as being anticipated by Slaughter et al., US Patent no. 6,643,650.**

5. In re claim 1, Slaughter et al. shows a data output control method [fig 39a, and fig 40a] that controls interaction between an information apparatus [1750, fig 39a] and a selected output device [1756, 1754, fig 39a] in connection with rendering at the selected output device output content managed with the information apparatus, comprising:

storing at least part of an output device object having one or more attributes relating to the selected output device [2056, fig 44b];

providing the at least part of the output device object to the information apparatus by wireless transmission [fig 39a]; and

receiving output data from the information apparatus by wireless transmission [fig 39a], the output data relating to the output content managed with the information apparatus, and passing the output data to the selected output device for rendering of the output content [fig 39a; 2058, fig 44b].

6. In re claim 2, Slaughter et al. shows device dependent data with respect to the output device [1960, fig 42].

7. In re claim 3, Slaughter et al. shows a display screen [1750, fig 39a].

8. In re claim 4, Slaughter et al. shows means for posting or broadcasting availability of the selected output device [2057, fig 44b].

9. In re claim 6, Slaughter et al. shows that the at least part of the output device object is provided to the information apparatus in response to a service request received from the information apparatus [fig 44b].

10. In re claim 8, Slaughter et al. shows a printer [fig 39b].

11. Claims 17-19, 21, 23, 24, 33-38, 48 and 49 are rejected under the same rationale as discussed above in claims 1-4, 6, and 8.

### ***Claim Rejections - 35 USC § 103***

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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13. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

**14. Claims 5, 7, 9, 10, 12, 13, 15, 16, 20, 22, 25-32, and 39-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Slaughter et al., US Patent no. 6,643,650.**

15. In re claims 5, 7, 9, 10, 12, 13, 15, and 16, Slaughter et al. does not show receiving plural service requests from plural information apparatuses, providing the at least part of the output device object to each of the plural information apparatuses, and the at least part of the output device object is provided to the information apparatus in more than one communication session with the information apparatus. However, receiving plural service requests from plural information apparatuses and providing the at least part of the output device object to each of the plural information apparatuses, and the at least part of the output device object is provided to the information apparatus in more than one communication session with the information apparatus are obvious since it has been held that mere duplication of the essential working parts involves only routine skill in the art. St. Regis Paper Co. V. Bemis Co., 193 USPQ 8.

16. Claims 20, 22, 25-32, and 39-47 are rejected under the same rationale as discussed above in claims 5, 7, 9, 10, 12, 13, 15, and 16.

***Response to Arguments***

Applicant's arguments have been fully considered but they are not persuasive.

In the remarks, applicants argued in substance that (1) Slaughter et al. does not show controlling interaction between an information apparatus and a selected output device to render output content that is managed with the information apparatus, and (2) Slaughter et al. does not show an output device object is provided to the information apparatus.

Examiner respectfully traverses applicants' remarks.

As to point (1), Slaughter et al. shows controlling interaction between an information apparatus [mobile client device, 1750, fig 39a] and a selected output device [1756, 1754, fig 39a] to render output content that is managed with the information apparatus as shown in above claim 1. In addition, Slaughter et al. also clearly shows the information apparatus [mobile client device, 1700, fig 38; the mobile computing device may establish a wireless connection with the device, col 92, lines 63-66] and a selected output device [1704, fig 38] to render output content [print set of data, col 92, lines 30-37] that is managed with the information apparatus.

As to point (2), Slaughter shows an output device object [results, 2056, 2058, fig 44b] is provided to the information apparatus.

***Conclusion***

This Office Action is in response to the filing of the Amendment filed on 1/10/2005, has been considered but they are not persuasive. Accordingly, this action is made **FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any response to this action should be mailed to:

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P.O. Box 1450  
Alexandria, VA 22313-1450

The centralized fax number is 703 872-9306.

The centralized hand carry paper drop off location is:

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2011 South Clark Place  
Customer Window  
Crystal Plaza Two, Lobby, Room 1B03

Any inquiry of a general nature or relating to the status of this application should be directed to the central telephone number (571) 272-2100.

Direct any inquiries concerning drawing review to the Drawing Review Branch (703) 305-8404.

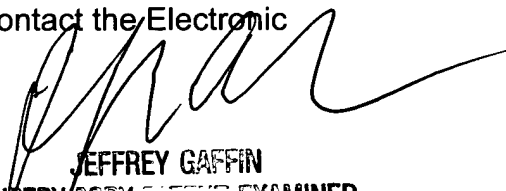
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harold Kim whose telephone number is 571-272-4148. The examiner can normally be reached on Monday-Thursday 6AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HK

Harold J. Kim  
Patent Examiner  
March 31, 2005/HK

  
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